



Norman H. Bangerter
Governor
Kenneth L. Alkema
Executive Director
Don A. Ostler, P.E.
Director

State of Utah
DEPARTMENT OF ENVIRONMENTAL QUALITY
DIVISION OF WATER QUALITY

288 North 1460 West
Salt Lake City, Utah
(801) 538-6146
(801) 538-6016 Fax

Reply to: State of Utah
Division of Water Quality
Department of Environmental Quality
Salt Lake City, Utah 84114-4870

DOGMA
MINERALS PROGRAM
FILE COPY

September 25, 1991

Mr. Dave Hartshorn
Drum Mine
P.O. Box 999
Delta, UT 84624

RECEIVED

SEP 24 1991

DIVISION OF
OIL GAS & MINING

RE: Preliminary Plan for Monitoring and
Containing the Contaminated Perched
Aquifer

Dear Mr. Hartshorn:

We received your preliminary plan for containing contaminated ground water from the perched aquifer at the Drum Mine site on September 17, 1991.

The plan, which calls for construction of a trench near monitor well MH-40 and pumping of accumulated ground water into the process ponds appears to represent a possible feasible approach in the extent in which it was presented. However, until a sufficiently detailed proposal is submitted we are unable to completely concur that this action will resolve the ground water contamination issue. Therefore, before the trench is constructed, please send us the following for our information:

1. Complete construction engineering details on the containment structure including a map showing the location and orientation of the trench and elevation of its bottom surface.
2. A preliminary cross-section similar to section A-A' on Plate 4 of your ground water discharge permit application, showing the anticipated elevation of intercepted ground water in the trench, as well as the potentiometric surface defined by water levels in the monitor wells along the cross-section.
3. Upon implementation of the plan, as built of final data will need to be submitted. These should include a map showing the actual location of the trench and elevation of its bottom surface, as well as an indication of the orientation, width and density of fractures exposed in the trench walls. A final cross-section as described above should also be made, showing the elevation of ground water in the trench before pumping but after the level

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stabilizes, and also the potentiometric surface defined by water levels in the monitor wells along the cross-section. Water levels in the trench and wells should be measured in the same 24-hour period.

Please contact Mark Novak at 538-6146 if you have any questions on these matters. Thank you for your timely action in this case.

Sincerely,



Don A. Ostler, P.E.
Director

DAO:MN:rp

cc: Dave Rupp, DWQ
Ed King, Jumbo Mining Co.
Wayne Hedberg, Div. of Oil, Gas & Mining
Central Utah District Health Dept.
Roger Foisy, District Engineer

Q:JUMPPLAN.LTR